

# THE ASTROPHYSICAL JOURNAL LETTERS

## CONTENTS OF VOLUME 604, PART 2

2004 MARCH 20, NUMBER 1

	Page
SEARCHING FOR STAR FORMATION BEYOND REIONIZATION <i>Elizabeth J. Barton, Romeel Davé, John-David T. Smith, Casey Papovich, Lars Hernquist, and Volker Springel</i>	L1
ANOMALOUS FLUX RATIOS IN GRAVITATIONAL LENSES: FOR OR AGAINST COLD DARK MATTER? <sup>Ⓔ</sup> <i>Shude Mao, Yipeng Jing, Jeremiah P. Ostriker, and Jochen Weller</i>	L5
THE EVOLUTION OF DISK GALAXIES IN THE GOODS-SOUTH FIELD: NUMBER DENSITIES AND SIZE DISTRIBUTION <i>S. Ravindranath, H. C. Ferguson, C. Conselice, M. Giavalisco, M. Dickinson, E. Chatzichristou, D. de Mello, S. M. Fall, J. P. Gardner, N. A. Grogin, A. Hornschemeier, S. Jogee, A. Koekemoer, C. Kretchmer, M. Livio, B. Mobasher, and R. Somerville</i>	L9
THREE Ly $\alpha$ EMITTERS AT $z \approx 6$ : EARLY GMOS/GEMINI DATA FROM THE GLARE PROJECT <i>Elizabeth R. Stanway, Karl Glazebrook, Andrew J. Bunker, Roberto G. Abraham, Isobel Hook, James Rhoads, Patrick J. McCarthy, Brian Boyle, Matthew Colless, David Crampton, Warrick Couch, Inger Jørgensen, Sangeeta Malhotra, Rick Murowinski, Kathy Roth, Sandra Savaglio, and Zlatan Tsvetanov</i>	L13
A FILAMENTARY STRUCTURE OF MASSIVE STAR-FORMING GALAXIES ASSOCIATED WITH AN X-RAY-ABSORBED QSO AT $z = 1.8$ <sup>Ⓔ</sup> <i>J. A. Stevens, M. J. Page, R. J. Ivison, Ian Smail, and F. J. Carrera</i>	L17
DISCOVERY OF FACE-ON COUNTERPARTS OF CHAIN GALAXIES IN THE TADPOLE ADVANCED CAMERA FOR SURVEYS FIELD <i>Debra Meloy Elmegreen, Bruce G. Elmegreen, and Amelia C. Hirst</i>	L21
LIMITS ON VERY HIGH ENERGY EMISSION FROM GAMMA-RAY BURSTS WITH THE MILAGRO OBSERVATORY <i>R. Atkins, W. Benbow, D. Berley, E. Blaufuss, J. Bussions, D. G. Coyne, T. DeYoung, B. L. Dingus, D. E. Dorfan, R. W. Ellsworth, L. Fleysher, R. Fleysher, G. Gisler, M. M. Gonzalez, J. A. Goodman, T. J. Haines, E. Hays, C. M. Hoffman, L. A. Kelley, J. E. McEnery, R. S. Miller, A. I. Mincer, M. F. Morales, P. Nemethy, D. Noyes, J. M. Ryan, F. W. Samuelsen, A. Shoup, G. Sinnis, A. J. Smith, G. W. Sullivan, D. A. Williams, S. Westerhoff, M. E. Wilson, X. Xu, and G. B. Yodh</i>	L25
THE LAST GAMMA-RAY BURST IN OUR GALAXY? ON THE OBSERVED COSMIC-RAY EXCESS AT PARTICLE ENERGY $10^{18}$ eV <sup>Ⓔ</sup> <i>Peter L. Biermann, Gustavo Medina Tanco, Ralph Engel, and Giovanna Pugliese</i>	L29
OBSCURED BINARY QUASAR CORES IN SDSS J104807.74+005543.5? <i>Hongyan Zhou, Tinggui Wang, Xueguang Zhang, Xiuobo Dong, and Cheng Li</i>	L33
ON THE RELATIONSHIP BETWEEN MODIFIED NEWTONIAN DYNAMICS AND DARK MATTER <i>Jörn Dunkel</i>	L37
EVIDENCE OF A MISALIGNED SECONDARY BAR IN THE LARGE MAGELLANIC CLOUD <i>Annapurni Subramaniam</i>	L41
THE LINK BETWEEN WARM MOLECULAR DISKS IN MASER NUCLEI AND STAR FORMATION NEAR THE BLACK HOLE AT THE GALACTIC CENTER <i>Miloš Milosavljević and Abraham Loeb</i>	L45
THE AVERAGE MAGNETIC FIELD STRENGTH IN MOLECULAR CLOUDS: NEW EVIDENCE OF SUPER-ALFVÉNIC TURBULENCE <i>Paolo Padoun, Raul Jimenez, Mika Juvela, and Åke Nordlund</i>	L49
ON THE HYDROGEN EMISSION FROM THE TYPE Ia SUPERNOVA SN 2002ic <sup>Ⓔ</sup> <i>Lifan Wang, Dietrich Baade, Peter Höflich, J. Craig Wheeler, Koji Kawabata, and Ken'ichi Nomoto</i>	L53
OPTICAL STUDIES OF V4332 SAGITTARI: DETECTION OF UNUSUALLY STRONG K I AND Na I LINES IN EMISSION <i>Dipankar P. K. Banerjee and Nagarhalli M. Ashok</i>	L57
2MASS J05185995-2828372: DISCOVERY OF AN UNRESOLVED L/T BINARY <sup>Ⓔ</sup> <i>Kelle L. Cruz, Adam J. Burgasser, I. Neill Reid, and James Liebert</i>	L61
THE ENIGMATIC RADIO SOURCE T TAURI S <i>K. J. Johnston, A. L. Fey, R. A. Gaume, C. A. Hummel, S. Garrington, T. Muxlow, and P. Thomasson</i>	L65
DETECTION OF OXYGEN AND CARBON IN THE HYDRODYNAMICALLY ESCAPING ATMOSPHERE OF THE EXTRASOLAR PLANET HD 209458B <sup>Ⓔ</sup> <i>A. Vidal-Madjar, J.-M. Désert, A. Lecavelier des Etangs, G. Hébrard, G. E. Ballester, D. Ehrenreich, R. Ferlet, J. C. McConnell, M. Mayor, and C. D. Parkinson</i>	L69
INSTRUCTIONS TO AUTHORS OF LETTERS, AND ADDITIONAL USEFUL INFORMATION	Inside Back Cover
INSTRUCTIONS FOR ELECTRONIC MANUSCRIPT SUBMISSION	Back Cover

2004 APRIL 1, NUMBER 2

	<i>Page</i>
THE FORMALISM FOR THE SUBHALO MASS FUNCTION IN THE TIDAL-LIMIT APPROXIMATION <i>Jounghun Lee</i>	L73
GIANT RADIO GALAXIES AND COSMIC-RAY ACCELERATION <i>P. P. Kronberg, S. A. Colgate, H. Li, and Q. W. Dufton</i>	L77
WITNESSING THE GRADUAL SLOWDOWN OF POWERFUL EXTRAGALACTIC JETS: THE X-RAY–OPTICAL–RADIO CONNECTION <i>Markos Georganopoulos and Demosthenes Kazanas</i>	L81
GRB 941017: A CASE STUDY OF NEUTRINO PRODUCTION IN GAMMA-RAY BURSTS <i>Jaime Alvarez-Muñiz, Francis Halzen, and Dan Hooper</i>	L85
ON THE BLACK HOLE MASS–BULGE MASS RELATION <i>Nadine Häring and Hans-Walter Rix</i>	L89
BULGES OR BARS FROM SECULAR EVOLUTION? <i>Victor P. Debattista, C. Marcella Carollo, Lucio Mayer, and Ben Moore</i>	L93
SYNCHROTRON AGING AND THE RADIO SPECTRUM OF SN 1993J <i>P. Chandra, A. Ray, and S. Bhatnagar</i>	L97
ULTRALUMINOUS X-RAY SOURCES AS INTERMEDIATE-MASS BLACK HOLES FED BY TIDALLY CAPTURED STARS <i>Clovis Hopman, Simon F. Portegies Zwart, and Tal Alexander</i>	L101
TIME VARIATION IN THE RADIO FLUX DENSITY FROM THE BIPOLAR ULTRACOMPACT H II REGION NGC 7538 IRS 1 <i>Ramiro Franco-Hernández and Luis F. Rodríguez</i>	L105
RELATIVE FREQUENCIES OF BLUE STRAGGLERS IN GALACTIC GLOBULAR CLUSTERS: CONSTRAINTS FOR THE FORMATION MECHANISMS <i>Giampaolo Piotto, Francesca De Angeli, Ivan R. King, S. G. Djorgovski, Giuseppe Bono, Santi Cassisi, Georges Meylan, Alejandra Recio-Blanco, R. M. Rich, and Melvyn B. Davies</i>	L109
THE ANGULAR SIZE OF THE CEPHEID $\ell$ CARINAE: A COMPARISON OF THE INTERFEROMETRIC AND SURFACE BRIGHTNESS TECHNIQUES $\oplus$ <i>Pierre Kervella, Pascal Fouqué, Jesper Storm, Wolfgang P. Gieren, David Bersier, Denis Mourard, Nicolas Nardetto, and Vincent Coudé du Foresto</i>	L113
IMAGING EXTRASOLAR PLANETS BY STELLAR HALO SUPPRESSION IN SEPARATELY CORRECTED COLOR BANDS <i>Johanan L. Codona and Roger Angel</i>	L117
COMETARY IONS TRAPPED IN A CORONAL MASS EJECTION <i>G. Gloeckler, F. Algrini, H. A. Elliott, D. J. McComas, N. A. Schwadron, J. Geiss, R. von Steiger, and G. H. Jones</i>	L121
ANISOTROPIC DENSITY FLUCTUATIONS IN A NEARLY INCOMPRESSIBLE HYDRODYNAMIC FLUID <i>S. Dastgeer and G. P. Zank</i>	L125
THE IMPORTANCE OF COLLISIONAL COUPLING AMONG HIGH-ENERGY PSEUDOMETASTABLE LEVELS OF Fe II EXCITED BY Ly $\alpha$ <i>Manuel A. Bautista, Richard J. Rudy, and Catherine C. Venturini</i>	L129
SURFATRON ACCELERATION OF IONS BY FAST MAGNETOSONIC SHOCKS GENERATED DURING TWO CURRENT LOOPS' COALESCENCE <i>S. Saito and J. I. Sakai</i>	L133
INSTRUCTIONS TO AUTHORS OF LETTERS, AND ADDITIONAL USEFUL INFORMATION	<i>Inside Back Cover</i>
INSTRUCTIONS FOR ELECTRONIC MANUSCRIPT SUBMISSION	<i>Back Cover</i>

